

**TB—0380**
DB2 V8z/OS MIGRATION

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Section/Group: Database
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Orsis Development DB2 subsystem DBD1 will be upgraded to DB2 V8 Compatibility Mode on May 21st. Orsis Production, EREP Development, and EREP Production upgrade dates will be determined at a later date. Complete migration to DB2 V8 takes place in three modes (phases).

DB2 V8—Compatibility Mode (CM)

Compatibility Mode is a transitional phase.

IRLM, Buffer Pools, Rid Pool, Sort Pool, compression dictionaries, EDM Pool and DBD and dynamic statement cache take advantage of the 64 bit architecture storage above the 2 Gb bar.

Module DSNHMCID for Unicode Support is in SDSNEXIT, so SDSNEXIT needs to be included in JOBLIB/STEPLIB before SDSNLOAD.

No OS/VS Cobol or VS COBOL II Compiles can run old Cobol load modules under LE.

Fallback to V7 possible, but not desirable.

All major business cycles should be tested before moving on to the next mode ENFM (Enable New Function Mode).

DB2 V8 Enabling New Function Mode (ENFM)

Ensure all business cycles are tested in Compatibility Mode because there is no fallback to V7. A complete copy of the entire V8 CM subsystem should be taken prior to upgrade in case of a recovery. (This backup is the fallback to CM mode if necessary.) Catalog objects should be reorganized and increased in size prior to ENFM to determine time to convert the catalog to Unicode.

The catalog tablespaces are converted to Unicode using online reorg. If the reorg fails the old catalog data is maintained. Once a tablespace is Unicode there is no going back other than to restore the entire subsystem using backup.

Catalog should be cleaned up prior to upgrade. All unwanted objects, including packages and plans, should be dropped.

It is recommended to be in ENFM a short period of time before NFM is enabled.

DB2 V8 New Function Mode (NFM)

V8 new features and functions are available. Catalog is completely Unicode, long names can now be used. Fallback is allowed to ENFM only.